# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 216 | (frequency or period) near4 (measur$5 or estimat$4) near8 subtract | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:45 |
| L2 | 884 | (frequenc$4 or period) near4 (measur$5 or estimat$4) near4 subtract$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:46 |
| L3 | 884 | 2 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:45 |
| L4 | 530 | (frequenc$4 or period) near2 (measur$5 or estimat$4) near4 subtract$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:46 |
| L5 | 309 | (frequenc$4 or period) near (measur$5 or estimat$4) near4 subtract$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:48 |
| L6 | 5797 | 358/1.9 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:48 |
| L7 | 5552 | 358/1.9.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:48 |
| L8 | 3750 | (subtract$4 and frequenc$4 and measur$5).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:49 |
| L9 | 208 | (subtract$4 and frequenc$4 and measur$5 and image and data).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:49 |
| L10 | 0 | (subtract$4 and frequenc$4 and measur$5 and image anj data).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:49 |

# EAST Search History

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|---|---|---|---|---|---|---|
| L11 | 70 | (subtract$4 and frequenc$4 and measur$5 and image adj data).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:49 |
| L12 | 301 | (subtract$4 with frequenc$4 with measur$5).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:50 |
| L13 | 2 | (subtract$4 with frequenc$4 with measur$5 with image adj data).clm. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:50 |
| L14 | 591 | 358/3.06.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:50 |
| L15 | 91 | 358/3.08.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:51 |
| L16 | 150 | 358/3.07.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:51 |
| L17 | 206 | 345/596.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:51 |
| L18 | 35 | 345/599.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:52 |
| S1 | 1 | ("6734991").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/13 17:26 |
| S2 | 1 | ("20050179948").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/13 17:27 |
| S3 | 4 | ("5200821" \| "5293430" \| "5621519" \| "5822470").PN. OR ("6734991").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/13 18:52 |
| S4 | 1 | ("20050179948").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/14 11:07 |

# EAST Search History

| Ref # | Hits | Search Query | Databases | Operator | Default | Time |
|---|---|---|---|---|---|---|
| S5 | 143 | 358/3.07.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 11:07 |
| S6 | 4 | ("5200821" \| "5293430" \| "5621519" \| "5822470").PN. OR ("6734991").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 11:07 |
| S7 | 1 | ("6734991").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/14 11:07 |
| S8 | 86 | 358/3.08.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:43 |
| S9 | 491 | 358/3.06.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 11:07 |
| S10 | 143 | 358/3.07.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 11:07 |
| S11 | 86 | 358/3.08.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 11:07 |
| S12 | 491 | 358/3.06.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/12/17 10:51 |
| S13 | 21 | (S10 or S11 or S12) and estimat$4 near4 frequenc$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 13:49 |
| S14 | 3 | (S10 or S11 or S12) and estimat$4 near4 frequenc$4 same multipl$6 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/22 15:37 |
| S15 | 17 | (S10 or S11 or S12) and estimat$4 near4 frequenc$4 and multipl$6 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 13:52 |

# EAST Search History

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|---|---|---|---|---|---|
| S16 | 31 | ("4194221" \| "4630125" \| "4633327").PN. OR ("4758897").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 15:42 |
| S17 | 25 | S16 and multipl$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/14 15:59 |
| S23 | 1 | "4758897".pn. | US-PGPUB; USPAT | AND | ON | 2007/03/16 14:39 |
| S24 | 1 | "6157415".pn. | US-PGPUB; USPAT | AND | ON | 2007/03/16 15:04 |
| S25 | 1 | "6983076".pn. | US-PGPUB; USPAT | AND | ON | 2007/03/16 15:39 |
| S26 | 1629621 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 frequenc$4 or period | US-PGPUB; USPAT | AND | ON | 2007/03/16 15:41 |
| S27 | 37 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/22 16:31 |
| S28 | 223 | (358/3.07 or 358/3.08).ccls. | US-PGPUB; USPAT | AND | ON | 2007/03/16 16:14 |
| S29 | 158 | S28 and multipl$6 | US-PGPUB; USPAT | AND | ON | 2007/03/16 16:16 |
| S30 | 1 | "6324305".pn. | US-PGPUB; USPAT | AND | ON | 2007/03/20 13:51 |
| S31 | 1 | "5268773".pn. | US-PGPUB; USPAT | AND | ON | 2007/03/20 13:51 |
| S32 | 14 | ("5343251" \| "5410619" \| "5659399" \| "5729632" \| "5754681" \| "5765029" \| "5778156" \| "5828776" \| "6021220").PN. OR ("629923").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/22 10:45 |
| S33 | 37 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/26 09:46 |
| S34 | 13 | S33 and weight | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/22 15:41 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S35 | 22 | S33 and weight$5 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/22 16:16 |
| S36 | 35 | ("4561022" \| "4761819" \| "4783840" \| "4811239" \| "4893195" \| "4903142" \| "4953013" \| "4962542" \| "5038388" \| "5091967" \| "5166810" \| "5239390").PN. OR ("5343309").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/03/22 16:17 |
| S37 | 23644 | (halftone$4 or half$1tone or half adj tone) not (halftone$4 or half$1tone or half adj tone).ab. | US-PGPUB; USPAT | AND | ON | 2007/03/22 16:30 |
| S38 | 241 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/27 16:03 |
| S39 | 241 | S38 and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/22 17:00 |
| S40 | 5691 | (358/1.9,3.06,3.2,534-536).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/03/26 09:46 |
| S41 | 0 | ("s33and1l").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/26 09:46 |
| S42 | 37 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/26 09:47 |
| S43 | 11 | S40 and S42 | US-PGPUB; USPAT | AND | ON | 2007/03/26 09:47 |
| S44 | 33475 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) with (frequenc$4 or period) | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 09:53 |
| S45 | 280 | S40 and S44 | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 09:52 |
| S46 | 17619 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 15:31 |
| S47 | 166 | S40 and S46 | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 13:14 |
| S48 | 46045 | ("35" or "382").clas. | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 13:14 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S49 | 869 | S46 and S48 | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 13:15 |
| S50 | 24 | S42 and S48 | US-PGPUB; USPAT | ADJ | ON | 2007/03/26 13:46 |
| S51 | 388 | (345/596-599).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/03/26 13:47 |
| S52 | 6 | S46 and S51 | US-PGPUB; USPAT | AND | ON | 2007/03/26 13:47 |
| S53 | 3727 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/26 15:31 |
| S54 | 609 | (halfton$4 or half$1tone or half ton$4 or screen$3) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/26 15:31 |
| S55 | 29 | (halfton$4 or half$1tone or half ton$4 or screen$3) with (estimat$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/26 15:31 |
| S56 | 241 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/03/27 16:04 |
| S57 | 112 | S56 and (subsampl$4 or sub$1sampl$4 or sub adj sampl$4) | US-PGPUB; USPAT | AND | ON | 2007/03/28 12:43 |
| S59 | 241 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/05 12:42 |
| S60 | 123 | S59 and (subsampl$4 or sub$1sampl$4 or sub adj sampl$4 or downsampl$4 or down$1sampl$4 or down adj sampl$4) | US-PGPUB; USPAT | AND | ON | 2007/03/28 14:56 |
| S61 | 155 | S59 and (subtract$4) | US-PGPUB; USPAT | AND | ON | 2007/03/28 14:56 |
| S62 | 6 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) same subtract$4 | US-PGPUB; USPAT | AND | ON | 2007/03/28 14:56 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S63 | 1 | ("6011538").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/28 17:21 |
| S64 | 1380 | xerographic.clm. | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:21 |
| S65 | 955 | xerographic.clm. and xerox.as. | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:21 |
| S66 | 540 | xerographic.clm. and xerox.as. and @py<="2002" | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:21 |
| S67 | 189 | xerographic.clm. and xerox.as. and @py<="2002" and @py>="1995" | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:22 |
| S68 | 57 | xerographic.clm. and xerox.as. and @py<="2001" and @py>="1999" | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:23 |
| S69 | 33 | xerographic.clm. and xerox.as. and @py<="2001" and @py>="1999" and "399".clas. | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:24 |
| S70 | 68 | xerographic.clm. and xerox.as. and @py<="2003" and "358".clas. | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:27 |
| S71 | 7 | (xerographic and photocopier).clm. and xerox.as. and @py<="2003" | US-PGPUB; USPAT | AND | ON | 2007/03/28 17:28 |
| S72 | 69 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) and interpolat$5 | US-PGPUB; USPAT | AND | ON | 2007/09/05 12:42 |
| S73 | 1 | "6734991" | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 09:27 |
| S74 | 1 | ("20050179948").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S75 | 4 | ("5200821" \| "5293430" \| "5621519" \| "5822470").PN. OR ("6734991").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S76 | 1 | ("6734991").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |

# EAST Search History

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|---|---|---|---|---|---|
| S77 | 32 | ("4194221" \| "4630125" \| "4633327").PN. OR ("4758897").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S78 | 26 | S77 and multipl$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S79 | 4 | ("5200821" \| "5293430" \| "5621519" \| "5822470").PN. OR ("6734991").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S80 | 91 | 358/3.08.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S81 | 1 | ("6734991").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S82 | 547 | 358/3.06.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S83 | 91 | 358/3.08.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S84 | 146 | 358/3.07.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S85 | 1 | ("20050179948").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S86 | 146 | 358/3.07.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S87 | 547 | 358/3.06.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S88 | 24 | (S84 or S83 or S87) and estimat$4 near4 frequenc$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |

# EAST Search History

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|---|---|---|---|---|---|
| S89 | 20 | (S84 or S83 or S87) and estimat$4 near4 frequenc$4 and multipl$6 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S90 | 3 | (S84 or S83 or S87) and estimat$4 near4 frequenc$4 same multipl$6 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S91 | 1 | "6157415".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S92 | 1 | "6983076".pn. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S93 | 1 | "4758897".pn. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S94 | 231 | (358/3.07 or 358/3.08).ccls. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S95 | 1709020 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 frequenc$4 or period | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S96 | 40 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S97 | 164 | S94 and multipl$6 | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S98 | 1 | "6324305".pn. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S99 | 1 | "5268773".pn. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S10 0 | 15 | ("5343251" \| "5410619" \| "5659399" \| "5729632" \| "5754681" \| "5765029" \| "5778156" \| "5828776" \| "6021220").PN. OR ("6229923").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S10 1 | 40 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S10 2 | 22 | S101 and weight$5 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |

# EAST Search History

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|---|---|---|---|---|---|
| S10 3 | 38 | ("4561022" \| "4761819" \| "4783840" \| "4811239" \| "4893195" \| "4903142" \| "4953013" \| "4962542" \| "5038388" \| "5091967" \| "5166810" \| "5239390").PN. OR ("5343309").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S10 4 | 13 | S101 and weight | US-PGPUB; USPAT; USOCR | AND | ON | 2007/09/17 11:17 |
| S10 5 | 259 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S10 6 | 24963 | (halftone$4 or half$1tone or half adj tone) not (halftone$4 or half$1tone or half adj tone).ab. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S10 7 | 259 | S105 and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S10 8 | 6147 | (358/1.9,3.06,3.2,534-536).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S10 9 | 35724 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) with (frequenc$4 or period) | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S11 0 | 302 | S108 and S109 | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S11 1 | 40 | (halftone$4 or half$1tone or half adj tone).ab. and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S11 2 | 0 | ("s33andl1").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S11 3 | 12 | S108 and S111 | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S11 4 | 18763 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S11 5 | 183 | S108 and S114 | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S11 6 | 410 | (345/596-599).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S11 7 | 6 | S114 and S116 | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S11 8 | 3882 | (halfton$4 or half$1tone or half ton$4 or screen$3 or pattern or matrix or array or mask$3 or template or tile) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/17 11:17 |
| S11 9 | 31 | (halfton$4 or half$1tone or half ton$4 or screen$3) with (estimat$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/17 11:17 |
| S12 0 | 49294 | ("35" or "382").clas. | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S12 1 | 24 | S111 and S120 | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S12 2 | 917 | S114 and S120 | US-PGPUB; USPAT | ADJ | ON | 2007/09/17 11:17 |
| S12 3 | 630 | (halfton$4 or half$1tone or half ton$4 or screen$3) with (estimat$4 or determin$5 or calculat$3 or approximat$3 or measur$5 or judg$5 or deduc$4) near4 (frequenc$4 or period) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/17 11:17 |
| S12 4 | 259 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S12 5 | 121 | S124 and (subsampl$4 or sub$1sampl$4 or sub adj sampl$4) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S12 6 | 1 | ("6011538").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:17 |
| S12 7 | 259 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S12 8 | 6 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) same subtract$4 | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S12 9 | 57 | xerographic.clm. and xerox.as. and @py<="2001" and @py>="1999" | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |

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|---|---|---|---|---|---|---|
| S13 0 | 189 | xerographic.clm. and xerox.as. and @py<="2002" and @py>="1995" | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 1 | 167 | S127 and (subtract$4) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 2 | 132 | S127 and (subsampl$4 or sub$1sampl$4 or sub adj sampl$4 or downsampl$4 or down$1sampl$4 or down adj sampl$4) | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 3 | 7 | (xerographic and photocopier).clm. and xerox.as. and @py<="2003" | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 4 | 33 | xerographic.clm. and xerox.as. and @py<="2001" and @py>="1999" and "399".clas. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 5 | 1054 | xerographic.clm. and xerox.as. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:17 |
| S13 6 | 68 | xerographic.clm. and xerox.as. and @py<="2003" and "358".clas. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:18 |
| S13 7 | 1486 | xerographic.clm. | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:18 |
| S13 8 | 540 | xerographic.clm. and xerox.as. and @py<="2002" | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:18 |
| S13 9 | 69 | (halftone$4 or half$1tone or half adj tone) and estimat$4 near4 (frequenc$4 or period) and interpolat$5 | US-PGPUB; USPAT | AND | ON | 2007/09/17 11:18 |